



**The NIEHS/EPA Superfund Basic Research Program
Division of Extramural Research and Training**

**Announces a
Distinguished Lecturer Seminar**

Dioxin to New Mechanism-Based Anticancer Drugs - Superfund Research

**Stephen Safe, D.Phil.
Distinguished Professor, Dept. of Veterinary Medicine - Physiology & Pharmacology
Texas A&M University**

**Monday, September 20, 2004
12:30 p.m. – 1:30 p.m.**

**National Institutes of Environmental Health Sciences
National Institutes of Health, DHHS**

**Rall Building, Rodbell Conference Room B
111 T.W. Alexander Drive
Research Triangle Park, NC 27709**

2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and related Superfund toxic chemicals activate the aryl hydrocarbon receptor (AhR) and induce toxic responses. Research in Dr. Safe's laboratory has developed selective AhR modulators (SAhRMs), such as ring-substituted diindolylmethanes (DIMs), for chemotherapy of breast, endometrial, pancreatic and prostate cancer. Further modification of DIMs have resulted in a new series of anticarcinogenic AhR-inactive analogs. Studies on their mechanism of action has demonstrated that these methylene-substituted DIMs activate orphan nuclear receptors that induce genes associated with growth inhibition and cancer cell death.

The NIEHS has moved to a higher level of security awareness. More stringent requirements for access to NIEHS' campus have been implemented. Any individual seeking access to the NIEHS campus to attend a conference/seminar will need to be prepared to show two forms of identification, i.e., driver's license plus one of the following: company ID, government ID, or university ID, and to provide pertinent information about the conference/seminar, i.e., name of the speaker, host of the conference/workshop or title of the conference/workshop. These are difficult times and the NIEHS is attempting to make everyone's visit to our campus a safe one. Thank you for your cooperation.